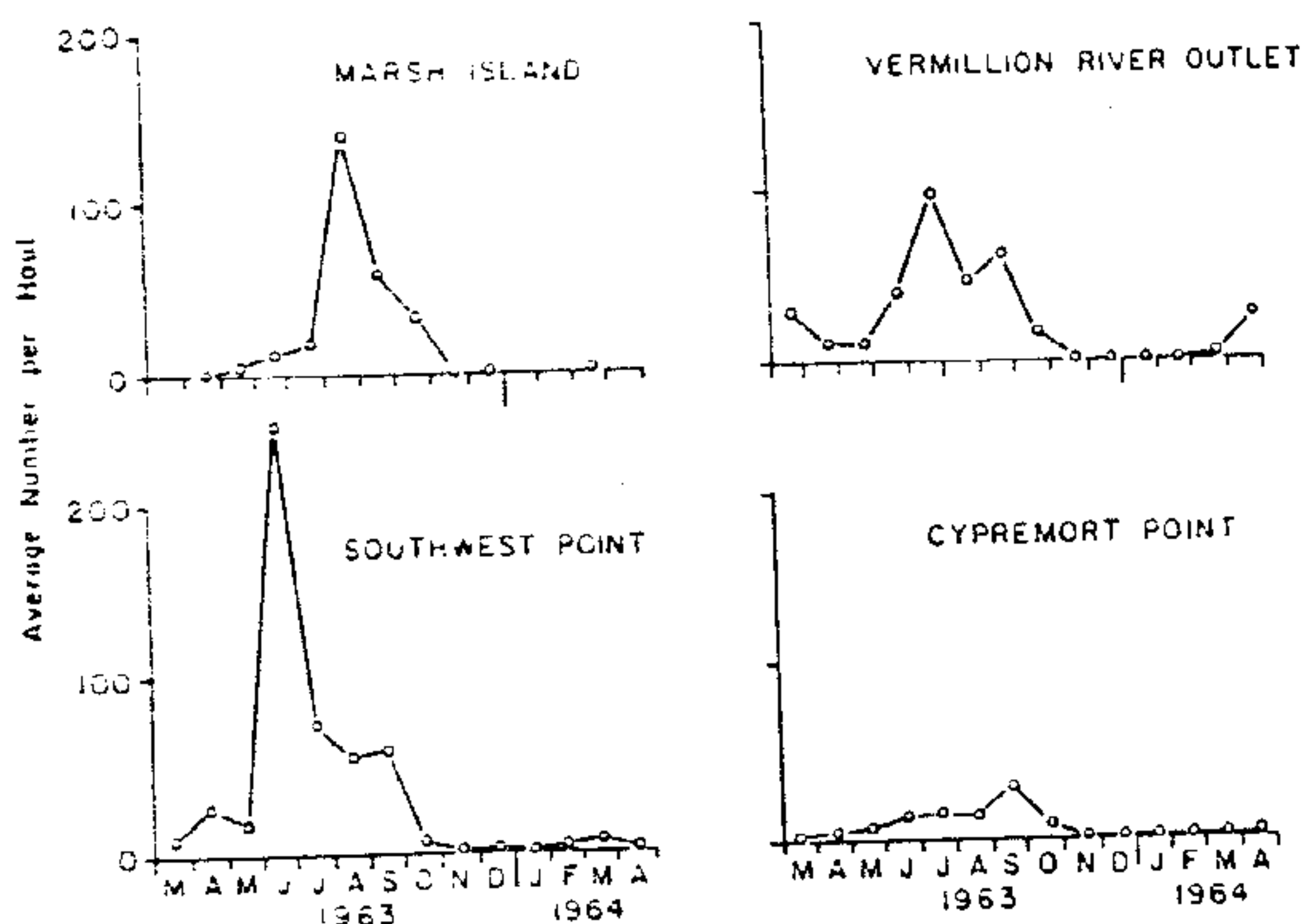


## Abundance of Postlarval Shrimp in the Vermilion Bay Area of Louisiana

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(Contract No. 14-17-0002-86)

Studies of the seasonal occurrence and abundance of postlarval shrimp in Vermilion Bay continued during the year, with samples being obtained at weekly and twice-weekly intervals by means of a 6-ft. beam trawl towed over prescribed distances. Indices of postlarval abundance at each station, calculated for each month over the period March 1963 to April 1964, are plotted in the accompanying figure.



Numbers of postlarval shrimp (*Penaeus* spp.) collected at four stations in Vermilion Bay, La., 1963-64.

The movement of postlarval brown shrimp into Vermilion Bay took place later this year than in 1963, presumably as a result of lower water temperatures this spring. Although masked in the accompanying figure, peaks of abundance were observed in March-April and again in August-September 1963. No accumulation of postlarvae could be detected outside Southwest Pass prior to their movement into the bay.

Postlarval white shrimp began to appear in samples taken in May. Throughout the period of their peak abundance, they were most numerous in the southern (seaward) portion of Vermilion Bay.